

the substrate. Each programmable integrated circuit (or programmable interconnect chip) contains a further substrate, a first set of conductive leads (608-1 -- 608-J) provided across the further substrate in a first direction, a second set of conductive leads (609-1 -- 609-K) provided across the further substrate in a second direction different from the first direction, and means for programmably selectively interconnecting the conductive leads. At least one (608-1) of the conductive leads is normally divided into at least two electrically separate conductive segments. Alternatively, a bus system (323-10 and 323-1 -- 323-6) electrically interconnects a group of the programmable integrated circuits. --

REMARKS

The title has been revised to more closely reflect the invention covered by the allowed claims.

The specification has been revised to correct various self-evident errors in grammar, punctuation, spelling, and reference-symbol identification. In addition, a reference to "programmable interconnect chip 300" on page 11 has been corrected to "PC board 300" since reference symbol 300 identifies a PC board as indicated elsewhere on page 11 rather than a programmable interconnect chip. On page 18, the word "each" in the sentence "A horizontal conductive lead thus might comprise one conductive segment each extending across the whole chip 605 or a plurality of conductive segments extending across a section of the chip" has been moved to an appropriate earlier location so that the sentence correctly reads "A horizontal conductive lead thus might comprise one conductive segment extending across the whole chip 605 or a plurality of conductive segments each extending across a section of the chip". Finally, in view of the reference-symbol corrections that have been made in the present application, a previous reference-symbol revision made to page 23 is no longer appropriate and has been cancelled.

The abstract has been revised to conform more closely to the allowed structure claims.

On page 8, near the middle of the first full paragraph, of the Response dated 21 September 1999, the reference to short lines "618-1 and 618-2" as indicating "the opposite ends of another segment of horizontal lead 608-1" should refer to short lines "618-2 and